

Product datasheet for **SC319451**

FATP3 (SLC27A3) (NM_024330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FATP3 (SLC27A3) (NM_024330) Human Untagged Clone
Tag:	Tag Free
Symbol:	FATP3
Synonyms:	ACSVL3; FATP3; VLCS-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024330.1
CACACCCGCACTCCTCCCGGTTTCTGCTCTCCGCCCGTGGAGTGGTGGGGCCCTGGG
TGGGAATGGGCGTGTGCCAGCGCACGCGCTCCCTGGAAGGAGAAGTCTCAGCTAGAAC
GAGCGGCCTAGGTTTTTCGGAAGGGAGGATCAGGGATGTTTGGAGCGGCTGGAACCAGA
CGGTGCCGATAGAGGAAGCGGCTCCATGGCTGCCCTCCTGCTGCTGCCCTGCTGCTGT
TGCTACCGCTGCTGCTGCTGAAGCTACACCTCTGGCCGAGTTGCGCTGGCTTCCGGCGG
ACTTGGCCTTTGCGGTGCGAGCTCTGTGCTGCAAAAGGGCTCTTTCGAGCTCGGCCCTGG
CCGCGGCTGCCGCGACCCGGAAGGTCCCGAGGGGGCTGCAGCCTGGCCTGGCGCCTCG
CGAACTGGCCAGCAGCGCGCCGCGCACACCTTTCTATTACAGGCTCGCGCGCTTTA
GCTACTCAGAGCGGAGCGGAGAGTAACAGGGCTGCACGCGCTTCTACGTGCGCTAG
GCTGGGACTGGGACCCGACGGCGGCGACAGCGCGAGGGGAGCGCTGGAGAAGGCGAGC
GGGCAGCGCCGGAGCCGAGATGCAGCGCCGGAAGCGCGCGGAGTTTGGCGAGGGG
ACGGTGCCGCCAGAGGTGGAGGAGCCGCCCTCTGTACCTGGAGCAACTGTGGCGC
TGCTCCTCCCGCTGGCCAGAGTTTCTGTGGCTCTGGTTCGGGTGGCCAAGGCCGGCC
TGCGCACTGCCTTTGTGCCACCGCCCTCGCCGGGGCCCTGCTGCACTGCCTCCGCA
GCTGCGGCGCGCGCGCTGGTGTGGCCAGAGTTTCTGGAGTCCCTGGAGCCGGACC
TGCCCGCCTGAGAGCCATGGGGCTCCACCTGTGGGCTGCAGGCCAGGAACCCACCTG
CTGGAATTAGCGATTTGCTGGTGAAGTGTCCGCTGAAGTGGATGGGCCAGTGCCAGGAT
ACCTCTTCCCCCAGAGCATAACAGACACGTGCCTGTACATCTTACCTCTGGCACCA
CGGGCCTCCCCAAGGCTGCTCGGATCAGTCATCTGAAGATCCTGCAATGCCAGGGCTTCT
ATCAGCTGTGTGGTGTCCACCAGGAAGATGTGATCTACCTCGCCCTCCACTCTACCACA
GTCCGGTCCCTGCTGGGCATCGTGGGCTGCATGGGCATTGGGGCCACAGTGGTGTGT
AATCCAAGTTCTCGGCTGGTCAATTCTGGGAAGATTGCCAGCAGCACAGGGTGACGGTGA
TCCAGTACATTGGGGAGCTGTGCCGATACCTTGTCAACCAGCCCCGAGCAAGGCAGAAC
GTGGCCATAAAGTCCGGCTGGCAGTGGGAGCGGGCTGCGCCAGATACCTGGGAGCGTT
TTGTGCGGCGCTTCCGGCCCTGCAGGTGCTGGAGACATATGGACTGACAGAGGGCAACG
TGGCCACCATCAACTACACAGGACAGCGGGGCGCTGTGGGGCGTCTTCTGGCTTTACA
AGCATATCTTCCCTTCTCCTTGATTGCTATGATGTCACCACAGGAGAGCCAATTCGGG
ACCCCCAGGGGCACTGTATGGCCACATCTCCAGGTGAGCCAGGGTGTGGTGGCCCCGG
TAAGCCAGCAGTCCCATTCTGGGCTATGCTGGCGGCCAGAGCTGGCCAGGGGAAGT
TGCTAAAGGATGTCTTCCGGCCTGGGGATGTTTTCTTCAACTGGGGACCTGCTGGTCT
GGGATGACCAAGTTTTTCTCCGCTTCCATGATCGTACTGGAGACACCTTACAGGTGGAAGG
GGGAGAATGTGGCCACAACCGAGGTGGCAGAGGTCTTCGAGGCCCTAGATTTTCTCAGG
AGGTGAACGTCTATGGAGTCACTGTGCCAGGGCATGAAGGCAGGGCTGGAATGGCAGCCC
TAGTTCTGCGTCCCCCAGCCTTTGGACCTTATGCAGCTCTACACCCACGTGTCTGAGA
ACTTGCCACCTTATGCCCGGCCCGATTCTCAGGCTCCAGGAGTCTTTGGCCACCACAG
AGACCTTCAAACAGCAGAAAGTTTCGGATGGCAAATGAGGGCTTCGACCCAGCACCTGT
CTGACCCACTGTACGTTCTGGACCAGGCTGTAGGTGCCTACCTGCCCTCACAACGCCC
GGTACAGCGCCCTCCTGGCAGGAAACCTTCGAATCTGAGAACTCCACACCTGAGGCACC
TGAGAGAGGAACCTGTGGGGTGGGGCCGTTGCAGGTGACTGGGCTGTCAGGGATCTT
TTCTATACCAGAACTGCGGTCACTATTTTGAATAAATGTGGCTGGAGCTGATCCAGCTG
TCTCTGACCTACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024330

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_024330.1 , NP_077306.1
RefSeq Size:	2430 bp
RefSeq ORF:	2193 bp
Locus ID:	11000
UniProt ID:	Q5K4L6
Cytogenetics:	1q21.3
Domains:	AMP-binding
Protein Families:	Transmembrane
Gene Summary:	<p>This gene belongs to a family of integral membrane proteins and encodes a protein that is involved in lipid metabolism. The increased expression of this gene in human neural stem cells derived from induced pluripotent stem cells suggests that it plays an important role in early brain development. Naturally occurring mutations in this gene are associated with autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.</p>